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OM nucleic - nucleic search, using sw model
Run on: December 2, 2002, 00:24:09 ; Search time 938.546 Seconds
(without alignments)
11318.063 Million cell updates/sec

Title: US-09-856-979-7
Perfect score: 365
Sequence: 1 tcagccagaccaatgggggc.....tccatcaagccgtcgcgatg 365

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2054640 seqs, 14551402878 residues

Total number of hits satisfying chosen parameters: 4109280

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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	25:	em_pl:	*		25:	em_pl:	*
	26:	em_ro:	*		26:	em_ro:	*
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	34:	em_htg_pln:	*		34:	em_htg_pln:	*
	35:	em_htg_rod:	*		35:	em_htg_rod:	*
	36:	em_htg_mam:	*		36:	em_htg_mam:	*
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Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB	ID	Description
1	365	100.0	365	6	BD013096	BD013096 Method fo
2	365	100.0	365	23	BD010124	Bd010124 Method fo
3	365	100.0	1695	6	BD013095	BD013095 Method fo
4	365	100.0	1695	23	BD010123	Bd010123 Method fo
c 5	365	100.0	2275	6	BD013093	BD013093 Method fo
c 6	365	100.0	2275	23	BD010121	Bd010121 Method fo
7	365	100.0	2407	6	A23333	A23333 El gene, TA
8	365	100.0	2407	6	AR007519	AR007519 Sequence
9	365	100.0	2407	6	AR084085	AR084085 Sequence
10	365	100.0	2407	6	I47736	I47736 Sequence 8
c 11	365	100.0	5228	6	BD013092	BD013092 Method fo
c 12	365	100.0	5228	23	BD010120	Bd010120 Method fo
13	365	100.0	5349	6	A71437	A71437 Sequence 7
14	365	100.0	5349	6	AR207455	AR207455 Sequence
15	365	100.0	6539	6	E31991	E31991 Mutated bar
c 16	365	100.0	6548	6	A60109	A60109 Sequence 2
c 17	365	100.0	6548	6	A76916	A76916 Sequence 2
c 18	365	100.0	6548	6	AR098308	AR098308 Sequence
c 19	365	100.0	6548	6	E31990	E31990 Mutated bar
c 20	365	100.0	7492	6	BD013094	BD013094 Method fo
c 21	365	100.0	7492	23	BD010122	Bd010122 Method fo
c 22	365	100.0	170226	8	AP003450	AP003450 Oryza sat
23	360.4	98.7	6667	6	AX118825	AX118825 Sequence
24	360	98.6	1687	6	AX118836	AX118836 Sequence
25	42.8	11.7	129024	2	AP004185	AP004185 Oryza sat
26	42.8	11.7	144480	2	AP004276	AP004276 Oryza sat
27	40.8	11.2	125020	9	AF429315	AF429315 Homo sapi
28	40.6	11.1	90275	2	AP003978	AP003978 Oryza sat
29	40.6	11.1	143436	2	AP004801	AP004801 Oryza sat
30	39.6	10.8	13056	1	AE012220	AE012220 Xanthomon
c 31	37.8	10.4	159451	2	AP005446	AP005446 Oryza sat
c 32	37.2	10.2	135712	2	AC108499	AC108499 Oryza sat
c 33	37	10.1	40909	1	SCI35	AL031541 Streptomy
c 34	36.6	10.0	110000	2	LMFLCHR18_04	Continuation (5 Of
35	36.4	10.0	158714	8	AC082644	AC082644 Oryza sat
36	36.2	9.9	108380	2	AC120827	AC120827 Rattus no
c 37	36.2	9.9	151914	2	AP004333	AP004333 Oryza sat
38	36	9.9	5432	1	D84475	D84475 Pseudomonas
c -39	36	9.9	11403	1	AE004488	AE004488 Pseudomon
c 40	35.8	9.8	11692	1	AE011995	AE011995-Xanthomon
41	35.8	9.8	34182	1	SCI11	AL096849 Streptomy
42	35.8	9.8	138537	2	AC130608	AC130608 Oryza sat
c 43	35.8	9.8	143506	2	AC130598	AC130598 Oryza sat
44	35.8	9.8	143567	2	AC129720	AC129720 Oryza sat
45	35.8	9.8	144520	2	AP004278	AP004278 Oryza sat

ALIGNMENTS

RESULT 1					
BD013096					
LOCUS	BD013096	365 bp	DNA	linear	PAT 02-AUG-2002
DEFINITION	Method for producing male-sterile plant.				
ACCESSION	BD013096				
VERSION	BD013096.1	GI:22093285			
KEYWORDS	WO 0124616-A/7.				
SOURCE	synthetic construct.				
ORGANISM	artificial sequences.				
REFERENCE	1 (bases 1 to 365)				
AUTHORS	Hamada,K. and Nakakido,F.				
TITLE	Method for producing male-sterile plant				
JOURNAL	Patent: WO 0124616-A 7 12-APR-2001;				
	JAPAN TOBACCO INC,KAZUYUKI HAMADA,FUMIO NAKAKIDO				

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COMMENT      OS      Artificial Sequence
PN      WO 0124616-A/7
PD      12-APR-2001
PF      12-SEP-2000 WO 2000JP006222
PR      30-SEP-1999 JP 99P 279307
PI      KAZUYUKI HAMADA,FUMIO NAKAKIDO
PC      A01H5/00,C12N15/11,C12N15/63,C12N15/82
CC      deleted E1 promoter
FH      Key      Location/Qualifiers
          source      1. .365
          /organism="synthetic construct"
BASE COUNT   86 a 119 c 82 g 78 t
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Best Local Similarity 100.0%; Pred. No. 2.6e-93;
Matches 365; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      61 TCCTACACTCAACCTAACTGTTCAACCGTCTCTGTTCTGGCCAAACGGTGAGAAATGCACCTA 120
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DB      61 TCCTACACTCAACCTAACTGTTCAACCGTCTCTGTTCTGGCCAAACGGTGAGAAATGCACCTA 120
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DB      241 TGACTCACCTGCCACATTTGCCCCCGCGTCGCCGGCGCTACAAAAGCCACACGCGCAG 300
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DB      301 CCGGCCACGATAACCCATCCCTAGCATCCCGGTGTCCAGCAAGAGATCCATCAAGCGGTG 360
QY      361 CGATG 365
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DB      361 CGATG 365

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ID      BD010124      standard; DNA; SYN; 365 BP.
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AC      BD010124;
XX
SV      BD010124.1
XX
DT      08-FEB-2002 (Rel. 70, Created)
DT      08-FEB-2002 (Rel. 70, Last updated, Version 1)
XX
DE      Method for producing male-sterile plant.
XX
KW      JP 03075934-T/7.
XX
OS      synthetic construct
OC      artificial sequence.
XX
RN      [1]
RP      1-365
RA      Hamada K., Nakakido F.;
RT      "Method for producing male-sterile plant";
RL      Patent number JP03075934-T/7, 16-MAR-2001.
RL      JAPAN TOBACCO INC,KAZUYUKI HAMADA,FUMIO NAKAKIDO.
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XX      OS      Artificial Sequence
CC      PN      JP 03075934-T/7
CC      PD      16-MAR-2001
CC      PF      12-SEP-2000 JP 2000006222
CC      PR      30-SEP-1999 JP 99P 279307
CC      PI      KAZUYUKI HAMADA,FUMIO NAKAKIDO
CC      PC      A01H5/00,C12N15/11,C12N15/63,C12N15/82
CC      CC      Key      Location/Qualifiers
CC      FH      source      1. .365
CC      FT      /db_xref="taxon:32630"
CC      FT      /organism="Artificial Sequence"
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FH      Key      Location/Qualifiers
FH      source      1. .365
FH      /db_xref="taxon:32630"
FH      /organism="synthetic construct"
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Best Local Similarity 100.0%; Pred. No. 2.6e-93;
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QY      361 CGATG 365
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DB      361 CGATG 365

RESULT 3
BD013095
LOCUS      BD013095      1695 bp      DNA      linear      PAT 02-AUG-2002
DEFINITION      Method for producing male-sterile plant.
ACCESSION      BD013095
VERSION      BD013095.1 GI:22093284
KEYWORDS      WO 0124616-A/6.
SOURCE      Oryza sativa.
ORGANISM      Oryza sativa
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.
1 (bases 1 to 1695)
Hamada,K. and Nakakido,F.
Method for producing male-sterile plant
patent: WO 0124616-A 6 12-APR-2001;
JAPAN TOBACCO INC,KAZUYUKI HAMADA,FUMIO NAKAKIDO
OS      Oryza sativa (rice)
PN      WO 0124616-A/6
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PD 12-APR-2001
PF 12-SEP-2000 WO 2000JP006222
PR 30-SEP-1999 JP 99P 279307
PI KAZUYUKI HAMADA,FUMIO NAKAKIDO
PC A01H5/00,C12N15/11,C12N15/63,C12N15/82
CC El promoter
FH Key Location/Qualifiers.
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/organism="Oryza sativa"
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BASE COUNT 503 a 384 c 357 g 451 t
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Best Local Similarity 100.0%; Pred. No. 3.1e-93;
Matches 365; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 361 CGATG 365
Db 1691 CGATG 1695
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ID BD010123 standard; DNA; PLN; 1695 BP.
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AC BD010123;
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SV BD010123.1
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DT 08-FEB-2002 (Rel. 70, Created)
DT 08-FEB-2002 (Rel. 70, Last updated, Version 1)
XX
DE Method for producing male-sterile plant.
XX
KW JP 03075934-T/6.
XX
OS Oryza sativa
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; Ehrhartoideae;
OC Oryzae; Oryza.
XX
RN [1]
RP 1-1695
RA Hamada K., Nakakido F.;
RT "Method for producing male-sterile plant";
RL Patent number JP03075934-T/6, 15-MAR-2001.
RL JAPAN TOBACCO INC,KAZUYUKI HAMADA,FUMIO NAKAKIDO.

XX OS Oryza sativa (rice)
CC PN JP 03075934-T/6
CC PD 16-MAR-2001
CC PF 12-SEP-2000 JP 2000006222
CC PR 30-SEP-1999 JP 99P 279307
CC PI KAZUYUKI HAMADA,FUMIO NAKAKIDO
CC PC A01H5/00,C12N15/11,C12N15/63,C12N15/82
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Db 1631 CCGGCCACGATAAACCCTAGCATCCCGGTGTCCAGCAAGAGATCCATCAAGCCGTCG 1690
QY 361 CGATG 365
Db 1691 CGATG 1695
RESULT 5
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LOCUS BD013093 2275 bp DNA linear PAT 02-AUG-2002
DEFINITION Method for producing male-sterile plant.
ACCESSION BD013093
VERSION BD013093.1 GI:22093282
KEYWORDS WO 0124616-A/4.
SOURCE synthetic construct.
ORGANISM artificial construct.
REFERENCE 1 (bases 1 to 2275)
AUTHORS Hamada,K. and Nakakido,F.
TITLE Method for producing male-sterile plant
JOURNAL patent: WO 0124616-A 4 12-APR-2001;
JAPAN TOBACCO INC,KAZUYUKI HAMADA,FUMIO NAKAKIDO
COMMENT OS Artificial Sequence
PN WO 0124616-A/4
PD 12-APR-2001
PF 12-SEP-2000 WO 2000JP006222

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PR 30-SEP-1999 JP 99P 279307
PI KAZUYUKI HAMADA,FUMIO NAKAKIDO
PC A01H5/00,C12N15/11,C12N15/63,C12N15/82
CC E1-barstar-3' nos
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AC BD010121;
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SV BD010121.1
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DT 08-FEB-2002 (Rel. 70, Created)
DT 08-FEB-2002 (Rel. 70, Last updated, Version 1)
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DE Method for producing male-sterile plant.
XX
KW JP 03075934-T/4.
XX
OS synthetic construct
OC artificial sequence.
XX
RN [1]
RP 1-2275
RA Hamada K., Nakakido F.;
RT "Method for producing male-sterile plant";
RL Patent number JP03075934-T/4, 16-MAR-2001.
RL JAPAN TOBACCO INC,KAZUYUKI HAMADA,FUMIO NAKAKIDO.
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CC .PD 16-MAR-2001
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CC PC A01H5/00,C12N15/11,C12N15/63,C12N15/82
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Query Match 100.0%; Score 365; DB 23; Length 2275;
Best Local Similarity 100.0%; Pred. No. 3.2e-93;
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QY 1 TCAGCCAGACCAATGGGGGCAAAATTTACTACTATTTGCCATACATTAAACCACGTAAAG 60
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QY 61 TCCTACACTCAACCTAACTGTTGAACGGTCCTGTTCTGGCCAAACGGTGAGAATGCACCTA 120
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Db 626 CCGGCCACGATAACCCCATCCTAGCATCCCGGTGTCCAGCAGAGATCCATCAAGCCGTCG 567
QY 361 CGATG 365
Db 566 CGATG 562
RESULT 7
A23333
LOCUS A23333 2407 bp DNA linear 1-PAT 01-APR-1995
DEFINITION E1 gene, TATA box and promoter.
ACCESSION A23333
VERSION A23333.1 GI:904319
KEYWORDS Oryza sativa.
SOURCE Oryza sativa.
ORGANISM Oryza sativa
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
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Matches 365; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 241 TGACTCACCTGCCACATTCGCCCGCCCGCTAGCATCCCGGTGTCCAGCAAGAGATCCATCAAGCCGTCG 360
Db 2262 CGGCCCAGGATAACCCATCCTTAGCATCCCGGTGTCCAGCAAGAGATCCATCAAGCCGTCG 2261

QY 361 CGATG 365
Db 2262 CGATG 2266

RESULT 8
AR007519 LOCUS AR007519 Sequence 9 from patent US 5750867. DNA linear PAT 04-DEC-1998
DEFINITION AR007519
ACCESSION AR007519
VERSION AR007519.1 GI:3967003
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 2407)
AUTHORS Williams,M. and Leemans,J.
TITLE Maintenance of male-sterile plants
JOURNAL Patent: US 5750867-A 9 12-May-1998;
FEATURES Location/Qualifiers
source 1..2407
BASE COUNT 662 a 543 c 507 g 695 t
ORIGIN

Query Match      100.0%; Score 365; DB 6; Length 2407;
Best Local Similarity 100.0%; Pred. No. 3.2e-93;
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QY 301 CCGGCCAGGATAACCCATCCTTAGCATCCCGGTGTCCAGCAAGAGATCCATCAAGCCGTCG 360
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QY 361 CGATG 365
Db 2262 CGATG 2266

RESULT 8
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DEFINITION AR007519
ACCESSION AR007519
VERSION AR007519.1 GI:10010856
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 2407)
AUTHORS Williams,M. and Leemans,J.
TITLE Maintenance of male-sterile plants
JOURNAL Patent: US 5977433-A 9 02-NOV-1999;
FEATURES Location/Qualifiers
source 1..2407
BASE COUNT 662 a 543 c 507 g 695 t
ORIGIN

Query Match      100.0%; Score 365; DB 6; Length 2407;
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QY 301 CCGGCCAGGATAACCCATCCTTAGCATCCCGGTGTCCAGCAAGAGATCCATCAAGCCGTCG 360
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QY 361 CGATG 365
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BASE COUNT      662 a   543 c   507 g   695 t
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Best Local Similarity 100.0%; Pred. No. 3.2e-93;
Matches 365; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCAGCCAGACCAATGGGGCAAAATTTACTACTATTGGCCATACATTAAACCACGTAAAG 60
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QY 121 ATGGACGGGACAACTCTTTCACCCGTGCTACTGCTACATCCTGTAGACGGTGGACGG 180
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Db 2082 TGAGGTGCTTTCGCCATGACCGCTCCTTGTTGTCAGTCACTTGCGCACGCTTGCAACG 2141

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QY 361 CGATG 365
Db 2262 CGATG 2266
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RESULT 10
I47736
LOCUS I47736 2407 bp DNA linear PAT 07-OCT-1997
DEFINITION Sequence 8 from patent US 5639948.
ACCESSION I47736
VERSION I47736.1 GI:2471701
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 2407)
AUTHORS Michiels,F., Morioka,S., Scheirlinck,T. and Komari,T.
TITLE Stamen-specific promoters from rice
JOURNAL Patent: US 5639948-A 8 17-JUN-1997;
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QY 361 CGATG 365
Db 2262 CGATG 2266
RESULT 11
BD013092/c
LOCUS BD013092 5228 bp DNA linear PAT 02-AUG-2002
DEFINITION Method for producing male-sterile plant.
ACCESSION BD013092
VERSION BD013092.1 GI:22093281
KEYWORDS WO 0124616-A/3.
SOURCE synthetic construct.
ORGANISM artificial sequences.
REFERENCE 1 (bases 1 to 5228)
AUTHORS Hamada,K. and Nakakido,F.
TITLE Method for producing male-sterile plant
JOURNAL Patent: WO 0124616-A 3 12-APR-2001;
COMMENT JAPAN TOBACCO INC,KAZUYUKI HAMADA,FUMIO NAKAKIDO
OS Artificial Sequence
PN WO 0124616-A/3
PD 12-APR-2001
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PF 12-SEP-2000 WO 2000JP006222
PR 30-SEP-1999 JP 99P 279307
PI KAZUYUKI HAMADA,FUMIO NAKAKIDO
PC A01H5/00,C12N15/11,C12N15/63,C12N15/82
CC Plasmid pPS172 delta
FH Key Location/Qualifiers.
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Db 2806 TGAGGTGCTTTCGCCATGACCGTCCCTGTTGTTGAGTCACCTTGGCAGTCACCTTGGCAGCG 2747
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QY 301 CCGGCCACGATAACCCATCCTAGCATCCCGGTGTCCAGCAAGAGATCCCATCAAGCCGTCG 360
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QY 361 CGATG 365
Db 2626 CGATG 2622
RESULT 12
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XX AC BD010120;
XX SV BD010120.1
XX DT 08-FEB-2002 (Rel. 70, Created)
XX DT 08-FEB-2002 (Rel. 70, Last updated, Version 1)
XX DE Method for producing male-sterile plant.
XX KW JP 03075934-T/3.
XX OS synthetic construct
XX OC artificial sequence.
XX RN [1]
XX RP 1-5228
RA Hamada K., Nakakido F.;
RT "Method for producing male-sterile plant";
RL Patent number JP03075934-T/3, 16-MAR-2001.
RL JAPAN TOBACCO INC,KAZUYUKI HAMADA,FUMIO NAKAKIDO.
XX OS Artificial Sequence
CC PN JP 03075934-T/3
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CC PD 16-MAR-2001
CC PF 12-SEP-2000 JP 2000006222
CC PR 30-SEP-1999 JP 99P 279307
CC PI KAZUYUKI HAMADA,FUMIO NAKAKIDO
CC PC A01H5/00.C12N15/11.C12N15/63.C12N15/82
CC CC
CC FH key Location/Qualifiers
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QY 301 CCGGCCACGATAACCCATCTAGCATCCCGGTGTCCAGCAAGAGATCCATCAAGCCGTCG 360
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QY 361 CGATG 365
Db 2626 CGATG 2622

RESULT 13
A71437
LOCUS A71437 5349 bp DNA linear PAT 07-MAY-1999
DEFINITION Sequence 7 from Patent WO9810081.
ACCESSION A71437
VERSION A71437.1 GI:4775050
KEYWORDS
SOURCE unidentified.
ORGANISM unidentified.
REFERENCE 1 (bases 1 to 5349)
AUTHORS Michiels,F. and Williams,M.
TITLE IMPROVED BARSTAR GENE
JOURNAL Patent: WO 9810081-A 7 12-MAR-1998;
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QY 241 TGACTCACCTGCCACATTCGCCCGCCGCGTCCGTCGCGGCGCTACAAAAGCCACACGCGACG 300
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Db 3908 CCGGCCACGATAACCCATCTAGCATCCCGGTGTCCAGCAAGAGATCCATCAAGCCGTCG 3967
QY 361 CGATG 365
Db 3968 CGATG 3972

RESULT 14
AR207455
LOCUS AR207455 5349 bp DNA linear PAT 20-JUN-2002
DEFINITION Sequence 7 from patent US 6372960.
ACCESSION AR207455
VERSION AR207455.1 GI:21506374
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 5349)
AUTHORS Michiels,F. and Williams,M.
TITLE Barstar gene
JOURNAL Patent: US 6372960-A 7 16-APR-2002;
FEATURES
source Location/Qualifiers
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BASE COUNT 1339 a 1233 c 1290 g 1487 t
ORIGIN

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QY 361 CGATG 365
Db 3968 CGATG 3972
RESULT 15
E31991/c
LOCUS E31991 6539 bp DNA linear PAT 18-JUN-2001
DEFINITION Mutated barnase gene and transgenic plant thereof.
ACCESSION E31991
VERSION E31991.1 GI:13021588
KEYWORDS JP 2000041682-A/4.
SOURCE unidentified.
ORGANISM unidentified
REFERENCE 1 (bases 1 to 6539)
AUTHORS Kazuyuki,H. and Fumio,N.
TITLE Mutated barnase gene and transgenic plant thereof
JOURNAL Patent: JP 2000041682-A 4 15-FEB-2000;
JAPAN TOBACCO INC
COMMENT OS Escherichia coli LE392
PN JP 2000041682-A/4
PD 15-FEB-2000
PF 04-AUG-1998 JP 1998220060
PR
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PC C12N15/09,A01H5/00,C12N5/10,C12N9/22/(C12N5/10,C12R1:91), PC
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Db 2617 CGATG 2613
Search completed: December 2, 2002, 03:09:18
Job time : 956.546 secs